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Human Development

OM nucleic - nucleic search, using SW model

Run on: January 14, 2014 at 11:45 AM
Search time: 200.11 Seconds
(without alignments) (with updates, sum 11055.600 Millions)

Title: US-09-910-428-2
 Perfect score: 26
 Sequence: 1 cccccc aaat caat acat tttc 265
 Scoring table: IDENTITY_NUC

sear head Gapop 10.0 , Gapext 1.0
2185239 347B 1125937159 1esd1us

Total number of hits satisfying chosen parameters: 4370478

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

post-processing: Minimum Match 0% Maximum Match 1000 Listing first 45

Database : N_Geneseq_101002.*
1: /SINP2/gr-qmrla/geneseq/geneseq3-amb1/AN1900 DAT •.

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3: /SIDS2/gcqdat/qeneseq/qeneseqn-emb1/NA1982 DAT: *
4: /SIDS2/gcqdat/qeneseq/qeneseqn-emb1/NA1983 DAT: *

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14: /\$IDS2/qrdarageneset/geneset-amb/NA1993 DAT
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18: /$IDS2/qcgdata/geneseq_genescq -embJ/NA1997.DAT;
19: /$IDS2/qcgdata/geneseq_genescq -embJ/NA1998.DAT;

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20: /\$IDS2/reqdata,gonosec,geneseen,embl,NA1933 DAT,
21: \$IDS2/reqdata,geneseq,geneseq - embl/NA2000 DAT,
22: \$IDS2/reqdata,geneseq,geneseq - embl/NA2000 DAT,

23. /S11-522-01-Judah-gutierrez-jimenez-embl-NA2001.DAT
24. /S11-522-01-Judah-gutierrez-jimenez-embl-NA2002.DAT

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is greater for analysis of the total score distribution.

ALIGNMENT

Human	immune/haemopoiesis
Human	genetically polymorphic
Human	immune system
<i>Bacillus</i>	<i>clausii</i> 9
<i>Fusarium</i>	<i>veneratum</i>
<i>Drosophila</i>	<i>melanogaster</i>
Human	5' EST isola
Turkey	female-spec
<i>Streptococcus</i>	<i>polysaccharide</i>
<i>Bacillus</i>	<i>licheniformis</i>
strawberry	structure
Human	immune system
Enterococcus	<i>laevis</i>
Human	immune/haemopoiesis
Hereditary	haemochromatosis
Human	focal liver
Probe	#40410 tor qef
Human	brain express
Human	bone marrow
probe	#7657 for quf
probe	#11350 used
Human	genetic-derivative
<i>Human</i>	<i>GE10</i> CEF2250
<i>Arabidopsis</i>	<i>thaliana</i>
Human	immune system
<i>Drosophila</i>	<i>melanogaster</i>
Human	immune/haemopoiesis
Human	immune system
Human	immune/haemopoiesis
Human	immune/haemopoiesis
DNA	encoding UDP
DNA	encoding UDP
Human	immune/haemopoiesis
Human	transporter
Human	oestrogen receptor
DNA	encoding a man

SUMMARIES					
Result No.	Score	Query Match length (H)	ID	Description	
1	26	100.0	26	AB157125	Cattle growth horm.
2	26	100.0	522	AB157128	Cattle growth horm
3	26	100.0	540	AB157127	Cattle growth horm
4	26	100.0	2869	AB157126	Cattle growth horm
5	73.8	73.8	73.8	AB119133	Cattle growth horm
6	19.2	73.8	10433	AB152379	Human, olfactory re
7	19.2	73.8	611590	AA122303	Human, immune syste
8	19	73.8	6591	AB152383	Arabidopsis thaliana
9	18.8	72.3	3912	AAK78476	Tumour suppressor
					Human, immune/hacma

XX linked to promoter pI or exon 1A of bovine growth hormone receptor gene
XX Claim 7; Page 26; 51pp; English.
CC The present sequence is a primer that is complementary to nucleotides located 3' to a polymorphic TG-repeat microsatellite located 90 bp upstream from a major transcription start site in the bovine growth hormone receptor gene (see BAC5724). The TG-repeat microsatellite can be used as a genetic marker that correlates with cattle growth. cattle having at least 12, and preferably 16-20, copies of the TG-dinucleotide repeat marker show increased carcass weight or weaning weight compared with cattle having fewer than 12 copies of the TG-dinucleotide repeat. Use of this marker and other genetic markers in linkage disequilibrium with the locus allows implementation of selection and breeding schemes that improve cattle performance. Marker assisted selection will the genetic markers avoids the costly phenotypic testing associated with traditional breeding schemes.

XX Sequence 26 bp; 7 A; 10 C; 0 G; 9 T; 0 other;

Query Match 100.0%; Score 26; DB 24; Length: 26;
Burst Local Similarity 100.0%; Pred. No.: 0/0/0/0/0; Mis-matches: 0; Indels: 0; Gaps: 0

Matches 26; Conserving: 0;

OY 1 CCCTGCTAAUCATAATGAGTTTC 26
 $\begin{array}{ccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ | & | & | & | & | & | & | & | & | \end{array}$

Dy 1 CCTGGCTAAUCATAATGAGTTTC 26

RESULT 2

AB157128
AB157128 standard; DNA; 522 bp.

AC AB157128;

XX

DP 05 APR 2002 (first entry)

DE cattle growth hormone receptor gene promoter and exon 1A region.

KW cattle; boar; breeding; growth hormone; somatotropin; receptor; microsatellite; marker-assisted selection; ds.

XX BOS INDENS.

XX

PR *Extraction buffers*

PR *Primer blunt*

PR complement (207...232)

PR satelite

PR satelite

PR /**aq- b

PR /**aq- "To dinucleotide repeat microsatellite"

PR 275...300

PR /**aq- c

PR exon

PR 344...522

PR /**aq- d

PR variation

PR replace(12,C)

PR /**aq- e

PR variation

PR /standard_name- "Single nucleotide polymorphism"

PR replace(94,C)

PR /**aq- f

PR variation

PR /standard_id_name- "Single nucleotide polymorphism"

PR replace(47,C)

PR /**aq- g

PR standard_name- "Single nucleotide polymorphism"

PN (A2)12269 A1.

PR 20 JAN 2002.

PR 20 JUL 2009; 2009A 2412269.

PR 20 JUN 2005; 2005A-2412269.

KW Human; olfactory receptor; OR; primary scent determination;
 KW secondary; scent; discrimination; poly(mer); olfactory receptor;
 KW scent profile; scent fingerprint; scent representation; ds;
 XX
 OS Homo sapiens.
 PN WO200127158-A2.
 XX
 PR 19 APR 2001.
 XX
 PR 06 OCT 2000; 2900000; US27582.
 XX
 PR 08 OCT 1999; 9900000-0158615.
 PR 24 FEB 2000; 2000000 0184809.
 XX
 PA (DIGIT) DIGISCENTS.
 XX
 PA (YEDA) YEDA RES & DEV CO LTD.
 XX
 PI Helgesson J., Smith D., Lanner D., Glusman G., Fuchs T., Yanai I.;
 XX
 IR WPI; 2001-290713/30.
 XX
 PR New polyamide scents which include 1,1'-bifurcates involved in olfactory sensation for identifying olfactory agonists and antagonists
 XX
 PS claim 8; page 375; 1857pp; English.
 XX
 The present sequence is one of a number of isolated fragments, which encode polypeptides involved in olfactory sensation. The polymolecules can be used in screening for olfactory agonists and antagonists. The methods allow for the determination of primary scent and the identification of the odour receptors used to detect those primary scents. The methods also enable determination of secondary scents and the identification of combinations of odour receptors that are involved in detecting such secondary scents. This enables the construction of a scent representation (also called a scent fingerprint or scent profile), which may be used to re-create and edit scents. Libraries of olfactory receptors are useful for determining the interaction pattern of a composition with the receptors, and can be used for determining differences in the olfactory faculties of different individuals.
 XX
 Sequence 759 BP; 154 A; 210 C; 183 G; 212 T; 0 other;
 XX
 Query Match 73.8%; Score 19.2; DB 22; Length 759,
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 XX
 QY 2 CTTCGAAATATTATTATTCTT 25
 DB 935 CTGCCAAATTAACATACATTTCCT 912
 XX
 RESULT 6
 ABI:32379-A.
 ID ABI:32379 standard; DNA; 611590 BP.
 XX
 AC AAF22303;
 XX
 DT 20-MAR-2001 (first entry)
 XX
 DE Arabidopsis thaliana chromosome 2 centromere.
 KW Centromere; chromosome; vector; ds;
 XX
 OS Arabidopsis thaliana.
 XX
 PN WO20005325-A2.
 ID 21-SEP-2000.
 XX
 PR 17-MAR-2000; 2000000-0507392.
 XX
 PR 18-MAR-1999; 9900000-0125219.
 PR 31-APR-1999; 9900000-0124409.
 PR 16-MAY-1999; 9900000-0134770.
 PR 14-SEP-1999; 9900000-0155584.
 PR 17-SEP-1999; 9900000-0156603.
 XX
 PA (UIC) UNIV CHICAGO.
 XX
 PR Preuss D., Copenhaver G., Keith K;
 XX
 DR WPI; 2000-587529/55.
 OS Homo sapiens.

XX Recombinant DNA construct comprising a plant centromere, useful for
PT producing stably inherited microsomes which can serve as vectors for
PT the construction of transgenic plant and animal cells
XX
PS Claim 45; page 820-959; 144pp; English.

CC The present invention relates to a recombinant DNA construct of a plant
CC (Arabidopsis thaliana) centromere. The constructs are useful for
CC producing stably inherited microsomes which can serve as vectors for
CC the construction of transgenic plant and animal cells expressing
CC selected proteins such as hormones, enzymes, interleukins, clotting
CC factors, cytokines, antibodies, and growth factors.
XX

sequence 611590 BP; 181893 A; 124460 C; 130254 G; 184983 T; 0 other;

Query Match 73.8%; Score 19.3; DB 21; Length 611590;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 3 TCCCCAAATCAATTACATTTCTC 26
Db 61533 TCCCCAAATCGATTCAATCTC 61556

RESULT 8
MAS4683/C

ID MAS4628 standard; DNA: 6591 BP.

XX
XX
XX
AC AAS4628;

DE 18-DEC-2001 (first entry)

DE Tumour suppressor gene derived chemically modified sequence #5.

KW Human; tumour suppressor gene; oncogene; antitumour; cytostatic;

KW cancer; tumour; CPC dinucleotide; single-nucleotide polymorphism, SNP,

KW cytosine methylation; ds.

XX Homo sapiens.

IN WO200168912-A2.

XX
XX
XX
PF 20-SEP-2001.

PR 15-MAR-2001. 2001W0-EPO2955.

PR 15-MAR-2001. 2001W0-US01354.

PR 06-APR-2000. 2000US1-019058.

PR 07-APR-2000. 2000US1-019173.

PR 30-JUN-2000. 2000US103452.

PR 01-SEP-2000. 2000DE104482K.

PR (EPIC-) EPICGENOMICS AG.

XX Clek A, Piepenbrück C, Berlin K,

XX WPI. 2001-602752/68

RESULT 9
AAK78476/C

ID AAK78476 standard; DNA: 3912 BP.

XX
XX
XX
AC AAK78476;

DE 07-NOV-2001 (first entry)

DE Human immune/haematopoietic antigen genomic sequence Stru II, No.: 3328d.

KW Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;

KW cytostatic; gene therapy; vaccine; metastasis; ds.

XX Homo sapiens.

IN WO200157182-A2.

XX
XX
XX
FD 09 AUG 2001.

PR 17-JAN-2001. 2001W0-US01354.

PR 31-JAN-2000. 2000US-0174955.

PR 34-FEB-2000. 2000US10180428.

PR 24-FEB-2000. 2000US10180664.

PR 02-MAR-2000. 2000US-0116350.

PR 16-MAR-2000. 2000US1018074.

PR 17-MAR-2000. 2000US-019076.

PR 18-APR-2000. 2000US1019073.

PR 19-MAY-2000. 2000US-0205515.

PR 27-JUN-2000. 2000US-0214886.

PR 30-JUN-2000. 2000US-0215335.

PR 07-JUL-2000. 2000US-0216647.

PR 14-AUG-2000. 2000US-0220954.

PR 14-AUG-2000. 2000US-0224518.

PR 14-AUG-2000. 2000US-0224519.

PR 14-AUG-2000. 2000US-0224513.

PR 14-AUG-2000. 2000US-0224514.

PR 14-AUG-2000. 2000US-0224526.

PR 14-AUG-2000. 2000US-0225267.

PR 17-Nov-2000; 2939MS; 0249245.
 PR 17-Nov-2000; 2000MS; 0249264.
 PR 17-Nov-2000; 2000MS; 0249265.
 PR 17-Nov-2000; 2000MS; 0249267.
 PR 17-Nov-2000; 2000MS; 0249269.
 PR 01-Dec-2000; 2000MS; 0249300.
 PR 01-Dec-2000; 2000MS; 0250391.
 PR 05-Dec-2000; 2000MS; 0250630.
 PR 05-Dec-2000; 2000MS; 0251989.
 PR 06-Dec-2000; 2000MS; 0251990.
 PR 08-Dec-2000; 2000MS; 0251996.
 PR 08-Dec-2000; 2000MS; 0251997.
 PR 11-Dec-2000; 2000MS; 0251999.
 PR 05-Jan-2001; 2001MS; 0259673.
XX (HUMA-) HUMAN GENOME SCI INC.
XX ROSEN CA, Barash SG*, Ruben SM;
XX FOR
WP1: 2901 481426/52.
XX Nucleic acids encoding human immunophagocytic antigen; polypeptide; I.P.S.,
 I.P.T. useful for preventing, diagnosing and/or treating cancers and
 metastasis
XX DIS, 1, 2001, SEQ ID No.: SEQ2_16, No.: SEQ2_4374P + Sequence listing; English
XX AAK64951 to AAK6702 encode the human immune-hematopoietic antigen (1) amino acid sequences given in AAK82170 to AAK81921. (1) have cytosolic activity, and can be used in gene therapy and vaccine production. (1) proteins and polynucleotides may be used in the prevention, diagnosis and treatment of diseases associated with lymphoproliferate (1) expression. For example, they may be used to treat disorders associated with disease-related expression by reactivating mutations or deletions in a patient's genome that affect the activity of (1) by expressing inactive proteins or to supplement the patient's own production of (1). Administration (1) polynucleotides may be used to produce the selected (1), by inserting the nucleic acids into a host cell and culturing the cell. (1) also the protein, (1) proteins and polynucleotides may be used to prevent, diagnose and treat immune-hematopoietic related diseases, especially cancers and cancer metastases of hematopoietic-derived cells. AAK6703 to AAK6704 represent human immune/hematopoietic antigen genomic sequences from the present invention. AAK64942 to AAK64950 and AAK62169 represent sequences used in the construction of the present invention.
XX Sequence 4322 BP; 135; A; 763; C; 857; G; 1367; T; 0 other;
SQ Score 18.8; DB 22; Length 4322;
Query Match 72.3%; Score 18.8; DB 22; Length 4322;
Best Local Similarity 90.9%; Preqd. No.: 1.5e+02; Gaps: 0;
Matches 20; Conservative: 0; Mismatches: 2; Tuples: 0; Gaps: 0;
OY 1 CTCCTCAAAATTAATTATT 22
Dy 695 CTCTACGAGAACGATT 674

RESULT 11
ABK39921/ Human chemically pretreated gene sequence #1 strand 2.
XX Human bisulfite treated cDNA; DNA; 17869 BP.
AC ABK39921;
XX IT 21-MAY-2002 (first entry)

RESULT 12
ABK32105/ Human chemically pretreated gene sequence #1 strand 2.
XX Human bisulfite treated cDNA; DNA; 17869 BP.
AC ABK32105;

XX IT 26-MAR-2002 (first entry)

XX Human immune system associated gene; SEQ ID NO: 78.
XX Human immune system disease; cytosine methylation; antiasthmatic;

KW OGTR, MRP, Pharmacogenomics, SRF, single nucleotide polymorphism.
 XX OS Homo sapiens.
 XX IPN WO200202806-A2.
 XX F5 16 JAN - 2002.
 XX PP 29-JUN-2001; 2001W2-EP097479.
 XX 30-JUN-2000; 2000W1-1032529.
 XX PP 01-SEP-2000; 2000DE 1043826.
 XX PR 23 SEP 2002; 2002DE 1043826.
 XX PT New nucleic acid, oligonucleotides and peptide nucleic acid-oligonomers, useful for detecting cytosine methylation state of genes associated with pharmacogenomics and for therapy of diseases e.g., cancer.
 XX PS Claim 1; SEQ ID No: 2; 24PP; English.
 XX CC The invention relates to a nucleic acid comprising a sequence at least 18 bases in length of a sequence of the chemical, / pretreated DNA of genes associated with pharmacogenomics according to one of the sequences of the genes AILM (NM_016693), CNTLA (NM_00781), CYP11B1 (NM_000497), CYP450 (NM_000776 and NM_017460), DMD (NM_000116), EPIC2 (NM_001579), FOLN1 (NM_002536), TXND1 (NM_003330), UGT8 (NM_001366), MRP (NM_001595), NM_011989, NM_011990, NM_011982, NM_011988, NM_013839) and their complementary sequences, or a sequence (SI) chosen from 87 sequences and their complements. The chemical pretreatment is bisulphite treatment to convert cytosines (but not methyl cytosines) into uracils. Also included are an oligomer (II) in particular an oligonucleotide or a peptide nucleic acid (PNA)-oligomer, comprising in which hybridizes to or is identical to a chemically pretreated DNA of genes associated with pharmacogenomics and their complements, arranged in oligonucleotides or peptide nucleic acid (PNA)-oligonucleotide polymorphisms (I-III) and/or detecting SNPs (single nucleotide polymorphisms) of the 87 sequences. The oligomers may also be used as primers. The set of 87 nucleic acids and their complements is useful for diagnosis and therapy of solid tumors and cancer. The present sequence represents one the 7 DNA sequences of its complement. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic form directly from WIPO at ITP-Wipo.int/pat/published-pct-sequences.

XX Sequence 17869 BP; 5366 A; 158 C; 3365 G; 8978 T; 2 other;
SQ Score 18.8; DB 22; Length 17869;
Query Match 72.3%; Score 18.8; DB 22; Length 17869;
Best Local Similarity 90.9%; Preqd. No.: 1.7e+02; Gaps: 0;
Matches 20; Conservative: 0; Mismatches: 2; Tuples: 0; Gaps: 0;
OY 3 TCCCTCAAAATTAATTATT 24
Dy 12020 TCCCTAAATCTTATGATTTC 11999

KW antiarteriosclerotic; antianæmic; cytostatic; nonsterpic;
KW neuroprotective; anti-HIV; anticonvulsant; ophthalmological;
KW antiinflammatory; anticancer; antidiabetic; antipsoriatic;
KW acute myeloid leukaemia; Alzheimer's Disease; AIDS; epilepsy;
KW neurofibromatosis; rheumatoid arthritis; psoriasis; bowel disease;
KW gene; ds.
XX
OS Homo sapiens
XX
PN WO2002039328 A2.
PD 03-JAN-2002.
XX
PT 02-JULY-2001; 2001W0-EPO7537.
XX
PR 30-JUN-2000; 2000W0-1032529.
PR 01-SEP-2000; 2000DE-1043926.
XX
(EPIC-) EPIGENOMICS AG.
XX
PI Olek A., Piepenbrock C., Berlin K.;
XX
DR WPI: 2002-130309/17.
XX
PT Nucleic acid comprising fragment of chemically modified gene, useful
CC for diagnosis and treatment of diseases associated with abnormal
PT cytosine methylation.
XX
PS Claim 1: SEQ ID NO 78; 32pp + Sequence Listing, German.
XX
CC The present invention provides a number of human immune system associated
CC genes which are modified by the methylation of cytosines. The sequences
CC can be used in the diagnosis and treatment of immune system disorders,
CC including eye diseases such as retinopathy, neovascular glaucoma and
CC macular degeneration, arteriosclerosis, anaemia, cancer, acute myeloid
CC leukaemia, Alzheimer's disease, AIDS, epilepsy, neurofibromatosis,
CC rheumatoid arthritis, psoriasis and inflammatory/ulcerative bowel
CC diseases. The present sequence is a gene of the invention.
XX
SQ sequence 17869 bp; 5366 A; 158 C; 3365 G; 8978 T; 2 other;
SQ Query Match 72.3%; Score 18.8; DB 24; Length 17869;
Match Best Local Similarity 90.9%; Pred. No. 1.7e+02;
Match Matches 20; Conservative 9; Mismatches 2; Index 0; Caps 0;
QY 3 .TCTGAAATCAATACATTTC 24
Db 12020 TCCGAAATCATTACATTTC 11999
RHSU1113
AK78100/C
ID ABK78100 standard; DNA; 371 BP.
XX
AC ABK78100;
XX
DP 13-AUG-2002 (first entry)
DE Bacillus clausii genomic sequence tag (GST) #1143.
XX
KW Differential gene expression; genomic sequenced tag; GST;
KW altered culture condition; environmental stress;
KW physiological provocation; ds.
OS Bacillus clausii.
XX
PN WO200229113-A2.
XX
PI 11-APR-2002.
XX
PF 05-MAR-2001; 2001W0-10531437.
XX

RHSU1113
AK78100/C
ID ABK78100 standard; DNA; 371 BP.
XX
AC ABK78100;
XX
DP 13-AUG-2002 (first entry)
DE Bacillus clausii genomic sequence tag (GST) #1143.
XX
KW Differential gene expression; genomic sequenced tag; GST;
KW altered culture condition; environmental stress;
KW physiological provocation; ds.
OS Bacillus clausii.
XX
PN WO200229113-A2.
XX
PI 11-APR-2002.
XX
PF 05-MAR-2001; 2001W0-10531437.
XX

RHSU1114
AAF0971
ID AAF0971 standard; cDNA; 628 BP.
XX
AC AAF0971;
XX
DP 13-MAR-2001 (first entry)
DE Fusarium venenatum EST SEQ ID NO:2294.
XX
KW Multiple gene expression; filamentous fungal cell; EST;
KW expressed sequence tag; Fusarium venenatum; Aspergillus niger;
KW Aspergillus oryzae; Trichoderma reesei; identification; recombination;
KW culture condition; environmental stress; spore morphogenesis;
KW metabolic pathway engineering; catabolic pathway engineering; ss.
XX
OS Fusarium venenatum.
XX
PN WO20056752-A2.
XX
PI 28-SEP-2000.
PD 28-SEP-2000.

